## **ABSTRACT**

	A data storage device that includes an array of resistive memory cells and a circuit
2	that is electrically connected to the array. The resistive memory cells include magnetic
3	random access memory cells that are electrically connected to diodes. The circuit is
1	capable of applying a first voltage to some of the resistive memory cells in the array, a
5	second voltage to other cells in the array, and a third voltage to yet other cells in the array.
5	Also, a method of sensing the resistance state of a selected resistive memory cell using
7	the circuit.